NATURAL NEWS

The Field Museum
Exploring
The Earth And Its
People

November 10, 1995

CONNECTING:
THE CAMPAIGN FOR THE FIELD MUSEUM

STAFF MEETING
October 17, 1995
Willard L. Boyd

Like the Campaign of the 1980's the 1990's Campaign for The Field Museum is predicated on a strategic plan. Our Centennial Directions Plan focused our 1980's campaign on renovation of the building's exterior walls and the installation of a new skylight. In addition, there was a significant move to interdisciplinary exhibits as contrasted to the earlier division of exhibits into the four disciplines of Geology, Botany, Zoology and Anthropology. The exhibit halls surrounding Stanley Field Hall on the first and second floor were dramatically redone to present a contemporary museum as contrasted to one that was perceived to be dusty and out of date. Considerable strides were also made in terms of collections and research space, and major endowment support was secured.

Now we are launching a campaign for a new century to be known as Connecting: The Campaign for The Field Museum. Our current strategic plan starts from the assumption that we are first and foremost a Chicago institution serving Chicago and nearby communities in many ways. We are reaffirming an interdisciplinary approach to the issues of the environment and culture, two of the foremost concerns of the present and foreseeable future.

The 1990's campaign focuses on four great assets of the Museum:

1) Collections,
2) Building,
3) Endowment, and
4) Programs.

Under Laura Gates' leadership, the four vice presidents have formulated a space plan with the assistance of Holabird and Root. This space plan will be presented to the Trustees in the near future. Basically it calls for a continuing major investment in the physical plant so that we never find ourselves in the situation of an out of date and poorly maintained building with inadequate utility support.

The plan also calls for a dramatic reshaping of the dungeon-like ground floor of the Museum. The ground floor will be turned into an Exploration Zone which will attract the public to the Museum for engaging, unique and dramatic exhibits without disturbing the grandeur and dignity of the floors above surrounding Stanley Field Hall. The Exploration Zone attractions on the ground floor will be revenue generating -- an essential ingredient for our continued operating budget growth. The principal exhibit will be about Life Underground and the incredible natural inter-connections which exist in the soil and sustain life on this planet. Visitors will have the opportunity to explore the world beneath their feet and journey to the bowels of the earth where no people have gone before. In addition, crucial collection storage facilities for both the Department of Anthropology and the Department of Zoology will be located in the recesses of the ground floor.

If Park District matching funds become available, we will also create in the Exploration Zone, a series of participatory exhibits including archaeological and dinosaur digs.
We also envision the creation of The Field Outreach Station. Oriented to the west door, this Station will include a renovation of Simpson Theater and nearby rooms to strengthen outreach to schools, parks, and communities.

A major component of the Campaign will be the *Environmental Systems Terrace,* on the southwest ground floor of the building. It will house new chillers, boilers, electrical and control equipment along with a badly needed and tightly controlled shipping area.

Moving to the main floor of Stanley Field Hall, the strategic plan calls for embarking on an active changing exhibition program. While we have been renovating permanent exhibits during the last ten years, we have not regularly brought major traveling exhibits to the Museum. A special exhibit hall on the first floor is a necessary venue to provide for an appropriate and dramatic location for changing exhibits. Temporarily, we have had the special exhibit halls on the ground floor while we were working above. The new hall will cover 12,000 square feet on the east side of Stanley Field Hall. It will be used for a summer annual exhibit which will attract people and can be revenue generating. We plan annual exhibits of our own great collections which are world renowned and we will develop exhibits for special occasions such as the "Millennium."

Also of major importance on the first floor will be an improvement of visitor amenities. In the 1970's considerable renovation took place at the north door. Nothing has been done at the south door since the construction of the Museum. Because most of our visitors park at Soldier Field, the south door has for a decade been the major entry point for visitors. South door usage will increase with the relocation of Lake Shore Drive so it is essential that the entry be properly designed for visitor access and checkrooms.

In the last few years we have made an effort to make Stanley Field Hall an orientation center for the public to describe what we are doing in the Museum and to introduce visitors to exhibits. Nature Walk was designed as an introduction to the environment. We are in the process of developing a similar introductory exhibit for anthropology to be known as Living

Together which will introduce visitors to the cultures exhibited in the Museum.

The major capital expenditures on the third floor will be for vital collections' care and conservation that will impact all four academic departments. We will develop a new facility for conserving anthropological and archaeological materials and expand other laboratories that are essential for unlocking the knowledge that our collections contain. In addition we must make substantial investments in computer infrastructure to facilitate computerization of the collections so that they can provide new insights through quick analysis of the information they contain.

Finally, at the very top of the building, the fifteen-year-old roof is aging. Most of the roof areas are in good condition, but there are some places that are in need of major repairs.

Together this plan for collections, exhibits and building will cost approximately $45 million dollars: $27 million to be raised by the campaign committee and $18 million to come from the Chicago Park District.

Currently, we have only $3.8 million available to us from the Chicago Park District. The remainder is in question due to tax cap legislation in Springfield. Therefore, our program of capital construction is phased so that we will never exceed our ability to pay as we go. We will propose to the Board to issue Educational Facility Bonds for cash flow as we did in the last campaign, and we will only draw down funds from those bonds when we have pledges to cover the amount.

In staging these capital projects for the building, collections and exhibits, we will develop mini campaigns within the overall campaign in order to enlist donors whose interest will be in certain types of projects.

The campaign also calls for a $20 million addition to endowment. During the past ten years we have been seeking to have endowment provide at least 20% of the operating income of the Museum. A $20 million addition to endowment will allow us to maintain this level of endowment support into the future. Wherever possible, we are seeking unrestricted gifts pursuant to the Board of Trustees long-standing policy to encourage unrestricted endowment.

Finally there is the indispensable campaign component for annual support of $13 million over five years.

We already have $13 million towards our $60 million campaign goal. Jim Croft will be financially and administratively responsible for all capital expenditures in his role as finance officer and building manager. The other vice presidents are bringing forth exciting plans for the Museum for the next century. We believe that the Field Museum has moved to the forefront of our kind of museum. We intend to be the best of our kind in our second century.

We can achieve that goal because of the outstanding staff, trustees, volunteers, and museum supporters that we have. As important as the collections, building, endowment, and programs are -- it is people -- not structures -- that make great museums. We have assembled the finest cadre of natural science and anthropology museum people anywhere. We are poised with our new strategic plan for another giant step forward. The Campaign is crucial to implementing the plan.

Dear Colleagues:

I want to express my deep appreciation to you for your extraordinary cooperation during the Paramount filming at the Museum in October. Your patience with the parking situation and all of the other inconveniences meant much.

I also want to express our collective gratitude to the staff members who worked directly with the Paramount group to make this such a success.

The City is also grateful for the Museum's role in expanding employment opportunities through the increasing movie location business.

Many thanks.

Sincerely yours,

Willard L. Boyd
President

SAVE A DATE - HOLIDAY FEST

This year's Holiday Fest (Staff Party) is on Friday, December 15, 1995 in Stanley Field Hall. Soon, you will be receiving your invitation. After you receive your invitation, RSVP to **Lynn Johnson** in the Personnel Office (x356). Your guests are welcome (friends, family members, etc.). Guest admission is $5.00 per person, and you pay Lynn in the Personnel Office. Volunteers, independent contractors, and others affiliated with the Museum may come to the Fest by paying the $5.00 guest admission. We are looking forward to seeing everyone at the 'fest'ivities this year!

THE 8TH HOLIDAY BAZAAR! - FRIDAY, DECEMBER 1, 10:30 - 2:00
DINING ROOM E

CENTER FOR CULTURAL UNDERSTANDING AND CHANGE

On Thursday, October 26, the Rainforest Action group organized two public seminars by **Anna Roosevelt** (Anthropology) for Rainforest Week at the University of Illinois at Urbana-Champaign. They were, "Ancient Amazonia: from Paleoindians to Chiefdoms" and "Secrets of the Forest: 12,000 Years of Human Environment Interaction in the Amazon." Co-sponsors of the lectures were the College of Agriculture, Department of Anthropology, Institute of Environmental Studies, and Center for Latin American & Caribbean Studies.

CENTER FOR EVOLUTIONARY AND ENVIRONMENTAL BIOLOGY

Bruce Patterson (Zoology) met with faculty and students at Northeast Missouri State University in Kirksville. NMSU, Missouri's "Liberal Arts and Sciences College," was recently ranked #3 in the nation and #1 in the Midwest for educational value by the 1996 Money Guide "Best College Guide Now." About 110 people attended Bruce's seminar, drawn from his article (now pending publication in the *Journal of Zoology*) "Distributions of bats along an elevational gradient in southeastern Peru", co-authored by former graduate student-in-residence **Victor Pacheco** and 1994 Advanced Training Program in Conservation Biology intern **Sergio Solari**.

CI-FM BUILD ON THEIR STRENGTHS AND EXPAND PROGRAMS FOR CONSERVATION

The Environmental and Conservation Programs (ECP) team — **Robin Foster**, **Doug Stotz**, **Tom Schulenberg**, **Debby Moskovits** — and new curator of birds, **John Bates** recently returned from Bolivia, where they and colleagues launched the first Rapid Assessment Program (RAP) field training course. This Conservation International/Field Museum collaboration, funded by AID (Agency for International Development), is headed by Field Museum's ECP office. The course focused on training local scientists to conduct thorough but time-effective biological inventories in their country and then use the results to produce practical, integrated reports focusing on conservation and management priorities. Thirty biologists from different regions of Bolivia participated in the 6-week program, which included 4 weeks in the field and 2 weeks in the *Museo de Historia Natural "Noel Kempff Mercado,"* in Santa Cruz. Museum training centered on improving the participants' expertise both in identifying specimens and in using and producing various tools to facilitate identification of plants and animals in the field.

The RAP training course and activities stressed the importance of building expertise for carrying out biological assessments (and what is involved in becoming an expert), the use of community and landscape approaches to biological inventories (e.g., evaluation of the study site in context of similar habitats in the region based on satellite images and overflights), and quantitative aspects of inventorying (how much sampling is enough, scale and repeatability of sampling). The final document, which is being prepared by the participants and compiled by

ECP, will be put to use immediately. Government and non-government agencies in Bolivia will use the report as a base for their 5-year management plan of the large, protected area where the course took place (*Parque Nacional Noel Kempff Mercado*).

Although John Bates was not given more than one day in Chicago before being swept away into the field, he was right at home in the spectacular study site in eastern Bolivia -- it is where he carried out his dissertation work in 1988-89. The team also got a great visit from Chicago: **Sandy and Susan Boyd**, **Peter Crane**, **Jim Croft**, **Will White** and **Chip Stanish** braved the heat, smoke (from adjacent burning forests and fields) and biting creatures to spend some time hiking and flying in the field. A British film crew from BBC Horizons also braved the elements to film RAP Team members as part of a TV program to be aired early next year, on the biodiversity crisis.

FIELD MUSEUM PARTICIPATES IN WORKSHOP ON CONSERVATION AND DEVELOPMENT IN THE ANDES

Environmental and Conservation Programs (ECP) staff members **Doug Stotz** and **Robin Foster** participated in the "Sustainability of Infrastructure Development in the Andes," a workshop that took place in Caracas, Venezuela, from 10-14 October. The workshop was organized by *Conservation International* and the *Corporación Andina de Fomento* (CAF -- Andean Association for Infrastructure Development). Its purpose was to analyze the location, viability and impact of roads proposed for construction by Andean governments, from biological, social and economic perspectives. The objective of the workshop was to assist in planning transportation corridors that connect economic centers in the Andes and help foster economic development, while minimizing negative social impacts and the destruction of fragile and unique natural communities in the Andean region. Teams of biologists, economists and social and political scientists developed criteria for analyzing projects, and then applied those criteria to a set of alternatives proposed for road construction in the Andes.

The biological team, of which Stotz and Foster were members, developed a set of regional priorities for protection, based on biological criteria that included patterns of diversity, endemism and threat. The team then devised a set of guidelines for evaluating the effects of particular infrastructure projects on natural biological communities. Separate teams made similar analyses of the economic and social effects of transportation projects. The teams then combined their results to analyze in detail alternatives for road placement along various transportation corridors. Results suggested that roads with strong negative environmental effects also tended to have negative social impacts and a weak economic justification. The results of the workshop were presented in a session with the top management of CAF. A series of GIS images incorporating the biological criteria developed during the workshop will be produced to guide future planning and to highlight the most important and sensitive natural areas to be protected.

GEOLOGY WELCOMES NEW CURATOR OF METEORITICS

The Geology Department is delighted to announce the long-anticipated arrival of **Dr. Meenakshi Wadhwa**, new Assistant Curator of Meteoritics and Mineralogy. Meenakshi is settling in to her new accommodations in Geology after completing a postdoctoral fellowship at the Scripps Institution at UC-San Diego, having received her doctorate from Washington University (St. Louis) in 1994. Meenakshi's current research addresses the geochemical and isotopic signatures in meteorites, to better understand the origin and evolution of the universe. She is involved in important and interesting projects using isotope (both short and long-lived) dating systems to determine the precise age and timing of early solar system events, as well as a study of Martian meteorites aimed at establishing when the rocks of the crust of that planet (the source area for these meteorites, formed as by-products of a major impact by an asteroid) were altered by the flow of hot fluids (like water). Her publications include articles in *Meteoritics* and *Geochimica et Cosmochimica Acta*. Meenakshi has already established ties with the Adler Planetarium and the meteoritics group at The University of Chicago, and will continue to collaborate with cosmochemistry research groups at Scripps and Washington University. On site for just a month, Meenakshi has already fielded a few "meteor-wrongs" from the public! The Geology Department is proud to welcome Meenakshi aboard, with the confidence that she will be a tremendous asset to the Museum.

NOON BALLOON

The Noon Balloon for November 7, 1995 was presented by **John Bates**, Assistant Curator, Division of Birds, Department of Zoology. John addressed the question "What is the relationship between morphologicalvariation and genetic variation?" Intuitively one would expect increasing morphological differentiation to be positively correlated with increasing genetic differentiation. However, initial studies of genetic diversity using allozymes from North American birds found very low differentiation relative to morphological diversity. This apparent paradox may unravel when bird migration patterns are examined. NorthAmerican species are mostly migratory and their seasonal movement may help swamp genetic differentiation. Preliminary studies of non-migratory birds revealed much greater levels of genetic diversity. John compared morphological and genetic variability of non-migratory birds across the Amazon Basin. He obtained DNA sequence data from one group of three morphologically quite uniform taxa, and another group of three morphologically quite variable taxa. John noted the importance of frozen tissue collections in undertaking such studies. The logistics of obtaining tissue samples de novo from a large number of populations spread across eight South American countries would have been insurmountable. John found low genetic differentiation, ranging from 0.5% to 1.4% sequence divergence, among populations of the three morphologically uniform species, and higher genetic differentiation, ranging from 3.2% to 5.0% sequence divergence, among populations of the three morphologically diverse taxa. However, these data raised new questions about species limits, relationship(s) of populations with each other as well as relationship(s) within a given population. The ensuing discussion revealed the potential wealth of new questions John intends to pursue.

The *Natural News* is edited by **Carolyn Klyce** in the President's Office. The deadline for all submissions is Tuesday at noon. Printed on recycled paper.

Last Call for Autumn Beer Tasting Volunteers!

Membership is requesting volunteers to help draft beer and work at the admissions desk for the November 10 beer tasting. The event will be held in Stanley Field Hall from 5:30 until 8:00. Fifteen (15) volunteers are needed to work 45 minute shifts. Volunteers will be admitted to the event free of charge. The staff admission price is $15. Please call Mary Millsap at x219 to sign up.

RIDE SHARING

Field, Adler (322-0304), and Shedd (939-2426) staff members who are interested in sharing rides to/from work:

Sylvie Baldwin, Adler Planetarium (x321), has truck/prefers to be rider, East Hyde Park
D. Chiligris, Shedd Aquarium (x3482), drive/ride, south Hinsdale off Rt. 83 & south of 55
A. Clark, Shedd Aquarium (x3366), drive/ride, Chicago State (95th & Cottage Grove)
Margaret Curran, Field Museum (x212), has car, southwest suburb
Michelle Eskridge, Field Museum (x721), needs rider, 93rd & Jeffrey area
Lara Furniss, Field Museum (x340), needs a ride, Andersonville area
K. Kurnweger, Shedd Aquarium, (x3374), drive/ride, Foster and Sheridan
C. Linn, Shedd Aquarium, (x2288), drive/ride, Rogers Park
C. Mell, Shedd Aquarium, (x3360), drive/ride, Armitage, between Lincoln and Halsted
A. Nowak, Shedd Aquarium, (x3369), drive/ride, South Chicago, SE of Midway, 4000 W/Pulaski & 6700 E/Marquette
Laurie Sanders, Field Museum (x843), has car and would like to trade off, Downers Grove
Jim Seevers, Adler Planetarium (322-0218), wants to share driving, Dyer IN
K. Semmen, Shedd Aquarium (x3341), drive/ride, Fox Valley, Aurora
M. Shurilla, Shedd Aquarium, (x3449), drive/ride, Evergreen Park
B. Vescolani, Shedd Aquarium, (x3359), drive/ride, Rogers Park, share drive/ride, a few days a week
Kristie Webber, Field Museum (x364), would like to switch off, N. Suburbs (near Highland Park or Evanston)
Diane Alexander White, Field Museum (x683), has car, West Rogers Park area
M. White, Shedd Aquarium (x3310), drive/ride, Calumet City
L. Wilson, Shedd Aquarium (x2276), will provide ride occasionally
Steve Woods, Adler Planetarium (x541), can drive or ride, north Evanston
C. Zartler, Shedd Aquarium (x3330), drive/ride, Lincoln Park (Sheridan Road)

If you wish to participate, send your name and information to **Carolyn Klyce**, Natural News.